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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/040,915
				Filing Date	1/5/02
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	THOMPSON
Sheet	1	of	1	Attorney Docket Number	SPLX.P0022

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	1.	2001/ 0003843	A1	Scepanovic et al.	06-14-01	
	2.	4,615,011		Linsker	09-30-86	
	3.	4,673,966		Shimoyama	06-16-87	
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	7.	5,521,147		Finnerty	10-05-93	
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	9.	5,360,948		Thornberg	11-01-94	
	10.	5,375,069		Satoh et al.	12-20-94	
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	12.	5,578,840		Scepanovic	11-26-96	
	13.	5,633,479		Hirano	05-27-97	
	14.	5,634,093		Ashida et al.	05-27-97	
	15.	5,636,125		Rostoker et al.	06-03-97	
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	23.	5,822,214		Rostoker et al.	10-13-98	
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	25.	5,898,597		Scepanovic et al.	04-27-99	

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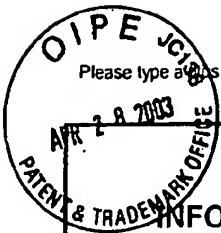
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<input checked="" type="checkbox"/>	41.	6,289,495	B1	Raspopovic	09-11-01	
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<input checked="" type="checkbox"/>	44.	6,378,121	B2	Hiraga	04-23-02	
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<input checked="" type="checkbox"/>	50.	6,436,804	B2	Igarashi et al.	08-20-02	
<input checked="" type="checkbox"/>	51.	6,446,245	B1	Xing et al.	09-03-02	
<input checked="" type="checkbox"/>	52.	6,463,575	B1	Takahashi	10-08-02	

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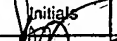
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				Group Art Unit	2825
				Examiner Name	<i>Hompson</i>
Sheet	3	of	3	Attorney Docket Number	SPLX.P0022

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Examiner* Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁸
		Office ³	Number ¹	Kind Code (if known) ⁵				
	55.	JP	64-15947		Ouchi	01-19-89		
	56.	JP	04000677		Fujiwara et al.	01-1992		

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
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		Examiner Name	<i>Thompson</i>		
Sheet	5	of	5	Attorney Docket Number	SPLX.P0022

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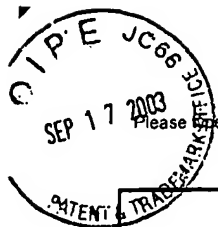
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	1.	2003/0079193	12/07/2001	Steven Teig et al.	Parent application; present application is a continuation of 2003/079193
	2.	2003/0018947	12/07/2001	Steven Teig et al.	Application filed on the same day as the parent application 2003/0079193, with the same specification as the present application except for summary and abstract
	3.	2002/0147958	10/19/2001	Steven Teig et al.	Parent application per the preliminary amendment dated 2/19/03
	4.	2003/0063614	01/04/2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract
	5.	2003/0064559	01/04/2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract
	6.	2003/0063568	01/04/2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract
	7.	2002/0166105	01/05/2002	Steven Teig et al.	Continuation of 2003/0079193
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	15.	2003/0115566	01/13/2002	Steven Teig	Continuation of 2003/0088844 per preliminary amendment

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U.S. PATENT DOCUMENTS					
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18.	2003/0066045	01/13/2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract	
19.	2002/0133798	12/06/2000	Steven Teig et al.	Application regarding related placement technology	
20.	2002/0100007	12/06/2000	Steven Teig et al.	Application regarding related placement technology	
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Substitute for form 1449A/PTO <div style="border: 2px solid black; border-radius: 50%; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="text-align: center;"> INFORMATION DISCLOSURE STATEMENT BY APPLICANT SEP 29 2003 (use many sheets as necessary) </div> </div>		Application Number	10/040,915
		Filing Date	1/5/02
		First Named Inventor	Steven Teig
		Group Art Unit	<i>2826</i>
		Examiner Name	<i>THOMPSON</i>
Sheet 1 of 1	Attorney Docket Number	SPLX.P0022	

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. ¹	U.S. Patent Document	Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Related Application Data
		Number			
	1.	2003/0043827 S/N 10/040,953	01-05-2002	Steven Teig et al.	Previously specified
	2.	2003/0023943 S/N 10/040,954	01-05-2002	Steven Teig et al.	Previously specified
	3.	2003/0066042 S/N 10/040,963	01-05-2002	Steven Teig et al.	Previously specified
	4.	2002/0174412 S/N 10/041,942	01-07-2002	Steven Teig et al.	Previously specified
	5.	2003/0088844 S/N 10/041,957	01-07-2002	Steven Teig et al.	Previously specified
	6.	2002/0199165 S/N 10/046,864	01-13-2002	Steven Teig et al.	Previously specified
	7.	2003/0056187 S/N 10/047,982	01-14-2002	Steven Teig et al.	Previously specified
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	10.	2003/0121015 S/N 09/745,067	12-19-2000	Steven Teig et al.	Previously specified
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	12.	2003/0088841 S/N 10/329,241	12-23-2002	Steven Teig et al.	Previously specified
	13.	2003/0088845 S/N 10/047,978	01-13-2002	Steven Teig et al.	Continuation of the parent application (2003/0079193) of the present application.

Examiner Signature	Date Considered <i>25 Oct 2004</i>
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Substitute for form 1449A/PTO				Application Number	10/040,915
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	1/5/02
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	A. Liu Thompson
Sheet	1	of	7	Attorney Docket Number	SPLX.P0022

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. ¹	U.S. Patent Document Number Kind Code ² (if known)	Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages; Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	2001/0009 031	A1	07-19-2001	Nitta et al.
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Sheet	2	of	7	Application Number	10/040,915
				Filing Date	1/5/02
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	A. Liu / Thompson
				Attorney Docket Number	SPLX.P0022

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Application Number

10/040,915

Filing Date

1/5/02

First Named Inventor

Steven Teig

Group Art Unit

2825

Examiner Name

A. Liu Thompson

Attorney Docket Number

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Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code (if known)				
	46.	JP	411296560	A	Matsumoto et al.	10-29-1999	with English translation of Abstract;	
	47.	JP	2000-82743	A	Igarashi et al.	03-21-2000	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	48.	JP	H03-173471	A	Tawada et al.	07-26-1991	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
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	50.	JP	H05-102305	A	Akihiro Sato	04-23-1993	with Japanese Patent Office's English translation of Abstract; and with English translation of the	✓

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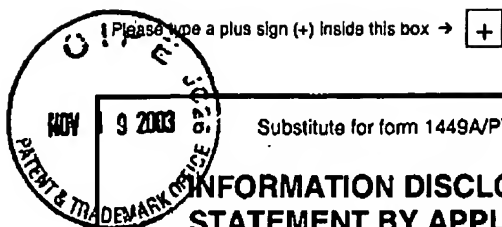
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/040,915
				Filing Date	1/5/02
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	A. Liu TNSMPSO
Sheet	4	of	7	Attorney Docket Number	SPLX.P0022

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						application.	
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First Named Inventor

Steven Teig

Group Art Unit

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Examiner Name

A. Liu Thompson

Attorney Docket Number

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NON PATENT LITERATURE DOCUMENTS

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				Group Art Unit	2825
				Examiner Name	A. L. Thompson
Sheet	6	of	7	Attorney Docket Number	SPLX.P0022

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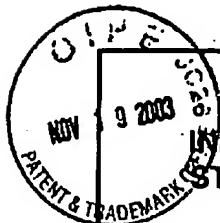
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Substitute for form 1449A/PTO				Application Number	10/040,915
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	1/5/02
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	A. Liu Thompson
Sheet	7	of	7	Attorney Docket Number	SPLX.P0022

FOREIGN PATENT DOCUMENTS		
<input checked="" type="checkbox"/>	79.	Thakur, S. et al., Algorithms for a Switch Module Routing Problem, 1994, pp. 265-270.
<input checked="" type="checkbox"/>	80.	Theune, D. et al., HERO: Hierarchical EMC-constrained routing, 11/1992, IEEE pp 468-472
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<input checked="" type="checkbox"/>	86.	Zhou, H. et al., An Optimal Algorithm for River Routing with Crosstalk Constraints, 1996.
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U.S. PATENT DOCUMENTS					
Examiner* Initials	Cite No.	U.S. Patent Document Number Kind Code ¹ (if known)	Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	2003/0121017 A1	06-26-2003	Andreev et al.	
	2.	6,088,519	07-11-2000	Koford	

NON PATENT LITERATURE DOCUMENTS			
Examiner* Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	3.	Chen et al., Optimal Algorithms for Bubble Sort Based Non-Manhattan Channel Routing, May 1994, Computer-Aided Design of Integrated Circuits and Systems, IEEE Transactions Volume: 13 Issues, pp. 603-609.	
	4.	Cong, J. et al., Multilevel Approach to Full Chip Gridless Routing, 11/2001, IEEE, pp. 396-403.	
	5.	Yan et al., Three-Layer Bubble-Sorting -Based Non-Manhattan Channel Routing, ACM Transactions on Design Automation of Electronic Systems, Vol. 5, No. 3, July 2000, pp.726-734.	

Examiner Signature		Date Considered	25-Oct-2004
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